English Abstract for DE1915290 (same as FR2004989)

Abstract :
FR2004989 A
Device comprises an infra-red emitting p-n junction semi-conductor body which emits radiations in a narrow spectral range, including infra-red 1.000 cm-1 (number of waves) at an intensity > that of a black body at 2,500 degrees C, and a phosphorescent substance energized by stages which converts the infra-red energy into visible light and has an excitation spectrum corresponding to the emission spectrum of this body. Phosphorescent substance is joined optically to this body so as to receive its infra-red emission and provide a visible emission. Solid state semi-conductor or lamp of high luminosity and efficiency emitting preferably green or blue light is obtained.